

PCT10

RAW SEQUENCE LISTINGPATENT APPLICATION: US/10/089,500

DATE: 04/17/2002

TIME: 12:14:30

Input Set : A:\sequence listing.txt
Output Set: N:\CRF3\04172002\J089500.raw

ENTERED

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5 <110> APPLICANT: KYOWA HAKKO KOGYO CO., LTD
      7 <120> TITLE OF INVENTION: Humanized anti-GD3 antibody and it's cytokine conjugate
      9 <130> FILE REFERENCE: 11239W01
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/089,500
C--> 12 <141> CURRENT FILING DATE: 2002-03-29
     14 <150> PRIOR APPLICATION NUMBER: H11-278291
     15 <151> PRIOR FILING DATE: 1999-09-30
     17 <160> NUMBER OF SEQ ID NOS: 57
     19 <170> SOFTWARE: PatentIn Ver. 2.0
     22 <210> SEQ ID NO: 1
     23 <211> LENGTH: 138
     24 <212> TYPE: PRT
     25 <213> ORGANISM: Mus musculus
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     31 Val Gln Cys Glu Val Thr Leu Val Glu Ser Gly Gly Asp Phe Val Lys
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     34 Pro Gly Gly Ser Leu Lys Val Ser Cys Ala Ala Ser Gly Phe Ala Phe
     37 Ser His Tyr Ala Met Ser Trp Val Arg Gln Thr Pro Ala Lys Arg Leu
                             35
     40 Glu Trp Val Ala Tyr Ile Ser Ser Gly Gly Ser Gly Thr Tyr Tyr Ser
                        50
     43 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
                                         70
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     46 Thr Leu Tyr Leu Gln Met Arg Ser Leu Arg Ser Glu Asp Ser Ala Met
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     52 Gly Gln Gly Thr Thr Leu Thr Val Ser Ser
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    58 <211> LENGTH: 128
    59 <212> TYPE: PRT
    60 <213> ORGANISM: Mus musculus
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    64 -20
    66 Gly Thr Arg Cys Asp Ile Gln Met Thr Gln Thr Ala Ser Ser Leu Pro
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                                         -5
    69 Ala Ser Leu Gly Asp Arg Val Thr Ile Ser Cys Ser Ala Ser Gln Asp
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                15
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Input Set : A:\sequence listing.txt Output Set: N:\CRF3\04172002\J089500.raw 72 Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Val 75 Lys Leu Leu Ile Phe Tyr Ser Ser Asn Leu His Ser Gly Val Pr. Ser 50 78 Arg Phe Ser Gly Gly Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile er 70 81 Asn Leu Glu Pro Glu Asp Ile Ala Thr Tyr Phe Cys His Gln Tyr Se. 80 82 84 Lys Leu Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg 100 85 89 <210> SEQ ID NO: 3 90 <211> LENGTH: 5 91 <212> TYPE: PRT 92 <213> ORGANISM: Mus musculus 94 <400> SEQUENCE: 3 95 His Tyr Ala Met Ser 96 1 99 <210> SEQ ID NO: 4 100 <211> LENGTH: 17 101 <212> TYPE: PRT 102 <213> ORGANISM: Mus musculus 104 <400> SEQUENCE: 4 105 Tyr Ile Ser Ser Gly Gly Ser Gly Thr Tyr Tyr Ser Asp Ser Val Lys Gly 10 106 1 109 <210> SEQ ID NO: 5 110 <211> LENGTH: 10 111 <212> TYPE: PRT 112 <213> ORGANISM: Mus musculus 114 <400> SEQUENCE: 5 115 Val Lys Leu Gly Thr Tyr Tyr Phe Asp Ser 1 119 <210> SEQ ID NO: 6 120 <211> LENGTH: 11 121 <212> TYPE: PRT 122 <213> ORGANISM: Mus musculus 124 <400> SEQUENCE: 6 125 Ser Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn 5 129 <210> SEQ ID NO: 7 130 <211> LENGTH: 7 131 <212> TYPE: PRT 132 <213> ORGANISM: Mus musculus 134 <400> SEOUENCE: 7 135 Tyr Ser Ser Asn Leu His Ser 136 1 139 <210> SEQ ID NO: 8 140 <211> LENGTH: 9

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141 <212> TYPE: PRT

142 <213> ORGANISM: Mus musculus

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Input Set : A:\sequence listing.txt
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144 <400> SEQUENCE: 8
145 His Gln Tyr Ser Lys Leu Pro Trp Thr
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150 <210> SEQ ID NO: 9
151 <211> LENGTH: 119
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic protein
158 <400> SEQUENCE: 9
159 Glu Val Gln Leu Val Glu Ser Gly Gly Asp Phe Val Gln Pro Gly Gly
162 Ser Leu Arg Val Ser Cys Ala Ala Ser Gly Phe Ala Phe Ser His Tyr
165 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
            35
168 Ala Tyr Ile Ser Ser Gly Gly Ser Gly Thr Tyr Tyr Ser Asp Ser Val
171 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
                         70
174 Leu Gln Met Arg Ser Leu Arg Ala Glu Asp Ser Ala Val Tyr Phe Cys
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177 Thr Arg Val Lys Leu Gly Thr Tyr Tyr Phe Asp Ser Trp Gly Gln Gly
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180 Thr Leu Leu Thr Val Ser Ser
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186 <211> LENGTH: 108
187 <212> TYPE: PRT
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic protein
193 <400> SEQUENCE: 10
194 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
197 Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Gln Asp Ile Ser Asn Tyr
                 20
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200 Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
             35
                                 40
203 Phe Tyr Ser Ser Asn Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
206 Gly Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
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209 Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr Ser Lys Leu Pro Trp
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212 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
213
217 <210> SEQ ID NO: 11
218 <211> LENGTH: 95
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Input Set : A:\sequence listing.txt
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- 219 <212> TYPE: DNA
- 220 <213> ORGANISM: Artificial Sequence
- 222 <220> FEATURE:
- 223 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
- 225 <400> SEQUENCE: 11
- 226 caggaaacag ctatgacgcg gccgccacca tggagtttgg gctcagctgg ctttttcttg 60
- 227 tccttgtttt caaaggtgtt cagtgtgagg tgcag
- 230 <210> SEQ ID NO: 12
- 231 <211> LENGTH: 97
- 232 <212> TYPE: DNA
- 233 <213> ORGANISM: Artificial Sequence
- 235 <220> FEATURE:
- 236 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
- 238 <400> SEQUENCE: 12
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- 240 cccccagact ccaccagctg cacctcacac tgaacac 9
- 243 <210> SEO ID NO: 13
- 244 <211> LENGTH: 98
- 245 <212> TYPE: DNA
- 246 <213> ORGANISM: Artificial Sequence
- 248 <220> FEATURE:
- 249 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
- 251 <400> SEQUENCE: 13
- 252 gcagcetetg gattegettt cagteattat gccatgtett gggteegeea ggeteeaggg 60
- 253 aaggggctgg agtgggtggc ttatattagt agtggtgg 98
- 256 <210> SEQ ID NO: 14
- 257 <211> LENGTH: 97
- 258 <212> TYPE: DNA
- 259 <213> ORGANISM: Artificial Sequence
- 261 <220> FEATURE:
- 262 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
- 264 <400> SEQUENCE: 14
- 265 gatacagcgt gttcttggag ttatctctgg agatggtgaa tctgcccttt acactgtctg 60
- 266 aatagtaggt gccactacca ccactactaa tataagc
- 270 <210> SEQ ID NO: 15
- 271 <211> LENGTH: 98
- 272 <212> TYPE: DNA
- 273 <213> ORGANISM: Artificial Sequence
- 275 <220> FEATURE:
- 276 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
- 278 <400> SEQUENCE: 15
- 279 ctccaaqaac acqctqtatc tqcaaatqcq caqcctqaqa qctqagqact cqqctqtqta 60
- 280 tttctqtaca aqaqttaaac tqqqaaccta ctactttq
- 283 <210> SEQ ID NO: 16
- 284 <211> LENGTH: 92
- 285 <212> TYPE: DNA
- 286 <213> ORGANISM: Artificial Sequence
- 288 <220> FEATURE:
- 289 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA

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Input Set : A:\sequence listing.txt
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291 <400> SEQUENCE: 16 292 gttttcccag tcacgacggg cccttggtgg aggctgagga gacggtgagc agggttccct 60 293 ggccccagga gtcaaagtag taggttccca gt 296 <210> SEQ ID NO: 17 297 <211> LENGTH: 94 298 <212> TYPE: DNA 299 <213> ORGANISM: Artificial Sequence 301 <220> FEATURE: 302 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA 304 <400> SEQUENCE: 17 305 caggaaacag ctatgacgaa ttccaccatg atgtcctctg ctcagttcct tggtctcctg 60 306 ttgctctgtt ttcaaggtac cagatgtgac atcc 309 <210> SEO ID NO: 18 310 <211> LENGTH: 87 311 <212> TYPE: DNA 312 <213> ORGANISM: Artificial Sequence 314 <220> FEATURE: 315 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA 317 <400> SEQUENCE: 18 318 gcactacaag tgatggtgac tctgtctcct acagatgcag acagggagga tggagactgg 60 319 qtcatctqqa tqtcacatct qqtacct 87 323 <210> SEQ ID NO: 19 324 <211> LENGTH: 89 325 <212> TYPE: DNA 326 <213> ORGANISM: Artificial Sequence 328 <220> FEATURE: 329 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA 331 <400> SEQUENCE: 19 332 gtcaccatca cttgtagtgc aagtcaggac attagtaatt atttaaactg gtatcagcag 60 333 aaaccaggga aagcccctaa gctcctgat 336 <210> SEQ ID NO: 20 337 <211> LENGTH: 89 338 <212> TYPE: DNA 339 <213> ORGANISM: Artificial Sequence 341 <220> FEATURE: 342 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA 344 <400> SEQUENCE: 20 345 taatctqtcc cagatccacc gccgctgaac cttgatggga cccccgagtg taaatttgat 60 346 gagtaaaaga tcaggagctt aggggcttt 349 <210> SEO ID NO: 21 350 <211> LENGTH: 92 351 <212> TYPE: DNA 352 <213> ORGANISM: Artificial Sequence 354 <220> FEATURE: 355 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA 357 <400> SEQUENCE: 21 358 ggtggatctg ggacagatta tactctcacc atcagcagcc tgcagcctga agattttgca 60

362 <210> SEQ ID NO: 22

359 acttattact gtcatcagta tagtaagctt cc

VERIFICATION SUMMARY

DATE: 04/17/2002

PATENT APPLICATION: US/10/089,500

TIME: 12:14:31

Input Set : A:\sequence listing.txt Output Set: N:\CRF3\04172002\J089500.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date